

FINANCIAL MANAGEMENT SYSTEM OF PUJASELERA MULTISTAND RESTAURANT



FINAL PROJECT REPORT

Submitted as one of Fulfillment of the Requirements

for Getting Bachelor Degree

in Department of Informatics Faculty of Communications and Informatics

Universitas Muhammadiyah Surakarta

By:

Sofyan Rinandi Fadillah

L200090097

**DEPARTMENT OF INFORMATICS
FACULTY OF COMMUNICATIONS AND INFORMATICS
UNIVERSITAS MUHAMMADIYAH SURAKARTA**

2013

APPROVAL

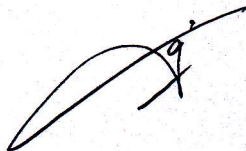
FINANCIAL MANAGEMENT SYSTEM OF PUJASELERA MULTISTAND RESTAURANT

It has been inspected, approved and passed on:

Day : Saturday

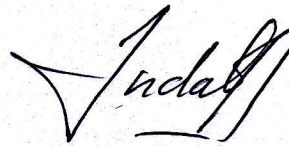
Date : 26 October 2013

Advisor I



Umi Fadlilah, S.T., M.Eng.
NIP: 197803222005012002

Advisor II



Endah Sudarmilah, S.T., M.Eng.
NIK: 969

ACCEPTANCE

FINANCIAL MANAGEMENT SYSTEM OF PUJASELERA MULTISTAN RESTAURANT

Prepared and compiled by
SOFYAN RINANDI FADILLAH
L200090097

It has been maintained in front of the Board of Examiners
on Saturday, 26 October 2013

Team of Examiners

Advisor I

Umi Fadlilah, S.T., M.Eng.
NIP : 197803222005012002

Examiner

Yusuf Sulistyono, S.T., M.Eng
NIK : 100.1197

Advisor II

Endah Sudarmilah, S.T., M.Eng.
NIK : 969

This final project report has been accepted as one of the requirements
forgetting a bachelor's degree

Dean of

Faculty of Communications and Informatics



Husni Thamrin, S.T, M.T, Ph.D
NIK : 706

Head of

Department of Informatics



Dr. Heru Supriyono, M.Sc.
NIK : 970

LIST OF CONTRIBUTION


Herewith, I testify that there is no same research which is identical with this research that have been raised to obtain bachelor degree in a particular University. In my opinions there is no research which have been written or published by others, except those which the writing is referred in the manuscript and mentioned in bibliography.

Then, I deliver list of contribution in conducting the research:

1. I arrange and bulit the information system of this bookkeeping with the helping of internet, my friends, and books which have been refferred in bibliography.
2. The programs of application which is used in doing the application are *Lazarus 0.9.30.2* and *MySql Workbench 5.2*
3. I use computer whose specificattions are prosesor Intel® Core™2 Duo CPU T6600 @ 2.20GHz (2CPUs), ~2.2GHz.

Thus, this statment and this list of contribution is made honestly. I responsible for all of its content and its list of validity above.


Surakarta, October 2013



Sofyan Rinandi Fadillah

Approved:

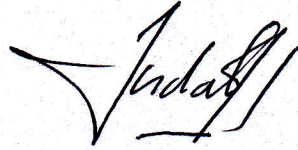
First Consultant



Umi Fadlilah, S.T. M.Eng.

NIP: 197803222005012002

Second Consultant



Endah Sudarmilah, S.T. M.Eng.

NIK: 969

MOTTO AND DEDICATION

MOTTO:

A success depends on the intention and effort which are done.

Never be afraid to be successful, because a success begins from dream.

(Researcher)

Something that becomes your concern, something that will come true.

(Novel Idris Abas)

DEDICATION:

By truly love and thankful this simple work is dedicated to

1. Allah SWT who always blesses to make my effort walking easily and hears all my prayer.
2. Mrs. Siswiyanti and Mr. Gatot Setyono who always pray, advice, suggest, and give his unlimited love. Success is my parents' prayer.
3. My elder brother Aji, my little brother Bagas and Rahma who have supported me.
4. My friends in class A, Novel, Ida, Galuh, Septi, Budi, Faqih, Rijal who have helped and supported in process of doing this research.
5. Informatics Engineering UMS as a place of studying and as my institution name.

INTRODUCTION

Thank God, we pray gratitude to Allah SWT has bestowed His grace and guidance so the author can finish this final project with title "Financial Management System of Pujaselera Multistan Restaurant".

This final project is structured to fill the curriculum in Department of Informatics Engineering Universitas Muhammadiyah Surakarta, as a student in order to complete the obligations of the degree program.

The author realizes that this final project is still far from perfection, therefore criticism constructive feedback from various stakeholders author hoped for improvements in the future.

The realization of this thesis cannot be separated from the support of various parties. Therefore, in this occasion the author would like to thank profusely to:

1. Mr. Husni Thamrin, S.T, M.T., Ph.D. as Dean of the Faculty of Communications and Informatics, Universitas Muhammadiyah Surakarta.
2. Mr. Dr. Heru Supriyono, M.Sc as Head of Department of Informatics, Universitas Muhammadiyah Surakarta.
3. Mrs. Endah Sudarmilah, S.T., M.Eng. as an academic conselor during the college.
4. Mrs. Umi Fadlilah, S.T, M.Eng.and Mrs. Endah Sudarmilah, S.T., M.Eng. as advisor who provide guidance and direction to the author so I can finish this final project.

5. The entire Faculty and Department of Informatics staff for their help and knowledge given to me during the lecture until otherwise earned bachelor degree.
6. My beloved parent who always gave prayer, encouragement and motivation to the author relentlessly.
7. Mas Labib and big family of Pujaselera that gives me the research place.
8. My brother, Satrio Yoga Aji Abdillah, my little brother and sister, Samekto Bagas Pamungkas and Rahma Nastiti Damayanti, that always give support in my final project.
9. Novel, Galuh, Faqih, Septi, Budi, Ida, Rijal thank you very much for the support and be best friend.
10. Chandra, thank you for getting the translator for my final exam.
11. Arifah, Nuryanto, Tyas for translate my final project as fast as you can do.
12. All friend of 2009 informatics UMS.
13. Other people who cannot mention one by one that helped to finish this final project.

Finally, the author hopes that this final project report will benefit for all parties and especially useful for writers and readers in general to increase the knowledge and insights of science. Amien.

Surakarta, September 2013

Authors,

TABLE OF CONTENTS

| | |
|---|----------|
| TITLE..... | i |
| APPROVAL | ii |
| ACCEPTANCE..... | iii |
| LIST OF CONTRIBUTION | iv |
| MOTTO AND DEDICATION | vi |
| INTRODUCTION | vii |
| TABLE OF CONTENT | ix |
| LIST OF TABLE..... | xii |
| LIST OF PICTURE..... | xii |
| ABSTRACT | xvi |
| CHAPTER I: INTRODUCTION | 1 |
| A. Background of the Study | 1 |
| B. Research Problem | 2 |
| C. Limitation of the Study | 2 |
| D. Objective of the Study | 2 |
| E. Benefit of the Study | 2 |
| F. Research Paper Organization..... | 3 |
| CHAPTER II: OBJECTIVE OF THE STUDY | 5 |
| A. Previous Study..... | 6 |
| B. Underlying Theory..... | 7 |
| 1 Stand..... | 7 |
| 2 Multistand Restaurant | 7 |

| | |
|---|-----------|
| 3 Lazarus | 7 |
| 4 MySQL..... | 8 |
| 5 MySQL Workbench | 8 |
| 6 System Development Life Cycle | 9 |
| CHAPTER III: RESEARCH METHODOLOGY | 10 |
| A. Time and Place | 10 |
| B. The Main and Suporting Tools | 10 |
| 1. Main Tools | 10 |
| 1.1 Hardware | 10 |
| 1.2 Software | 11 |
| 2 Supporting Tools | 11 |
| 2.1 Hardware | 11 |
| 2.2 Software | 11 |
| C. The Sequence of Research..... | 11 |
| D. Research Step | 14 |
| 1 Analyzing The Needs of Program..... | 14 |
| 2. Collecting Data and Determining the Needs..... | 15 |
| 3.Checking the Component of the Data and Needs..... | 15 |
| 4. Designing and Making System | 16 |
| 4.1 Use Case Diagram..... | 16 |
| 4.2 Design of the System | 19 |
| 4.3 Table Instance Chart..... | 22 |
| 4.4 Entity Relationship Diagram..... | 26 |

| | |
|---|-----------|
| 4.5 Developing the Design Application | 22 |
| CHAPTER IV: RESULTS AND DISCUSSION | 35 |
| A. Research Results | 35 |
| B. Analysis and Discussion | 36 |
| 1. Beginning Form | 36 |
| 2. Login Form | 36 |
| 3. Main Form | 37 |
| 4. Menu Form | 38 |
| 5. Stand Form | 42 |
| 6. Table Form | 45 |
| 7. Cashier Form | 47 |
| 8. Sale Transactional Form | 50 |
| 9. Change Password | 54 |
| 10. Periodic Report Form | 55 |
| 11. Receipt Printed Form | 56 |
| 12. Stand Financial Report Form | 57 |
| C. System Testing | 58 |
| D. Analysis and Discussion | 62 |
| CHAPTER V: CONCLUSION AND SUGGESTION | 63 |
| 5.1. Conclusions | 63 |
| 5.2. Suggestions | 63 |
| BIBLIOGRAPHY | 65 |
| APPENDIX | |

LIST OF TABLE

| | |
|--|----|
| Table 3.1 Actor Definition..... | 17 |
| Table 3.2 Use Case Definition | 17 |
| Table 3.3 Table of Menu | 23 |
| Table 3.4 Cashier Table | 23 |
| Table 3.5 Desk Table | 24 |
| Table 3.6 Stand Table | 24 |
| Table 3.7 User Table..... | 25 |
| Table 3.8 Right of Access Table | 25 |
| Table 3.9 Sell Table | 25 |
| Table 3.10 Detail of Sell Table..... | 26 |
| Table 4.1 Result of Quesionares..... | 58 |
| Table 4.2 Sum of Quisionare Answer | 59 |

LIST OF PICTURE

| | |
|--|----|
| Picture 3.1 Diagram of Sequence of The Research..... | 12 |
| Picture 3.2 Use Case Diagram | 16 |
| Picture 3.3 DFD Level 0 | 19 |
| Picture 3.4 DFD Level 1 | 20 |
| Picture 3.5 DFD Level 2 Cashier | 21 |
| Picture 3.6 DFD Level 2 Manager | 22 |
| Picture 3.7 Entitit Relationship Diagram | 27 |
| Picture 3.8 First Form | 28 |
| Picture 3.9 Login Form | 28 |
| Picture 3.10 Main Form | 29 |
| Picture 3.11 Main Form for Cashier..... | 29 |
| Picture 3.12 Menu Form | 29 |
| Picture 3.13 Cashier Form | 30 |
| Picture 3.14 Stand Form..... | 30 |
| Picture 3.15 Table Form..... | 31 |
| Picture 3.16 Selling Form | 31 |
| Picture 3.17 Period Form | 32 |
| Picture 3.18 Bill Form..... | 32 |
| Picture 3.19 Finance Form | 33 |
| Picture 3.20 Change Password Form | 33 |
| Picture 4.1 Beginning Form | 36 |

| | |
|--|----|
| Picture 4.2 Login | 37 |
| Picture 4.3 Login is Failed | 37 |
| Picture 4.4 Main Form of the Administrator | 38 |
| Picture 4.5 Main Form of Operator | 38 |
| Picture 4.6 Menu Form | 39 |
| Picture 4.7 Saving Confirmation Form | 40 |
| Picture 4.8 Deleting Confirmation Form | 40 |
| Picture 4.9 Deleting Confirmation Form is Sucsecfull | 41 |
| Picture 4.10 Edit Confirmation | 41 |
| Picture 4.11 Stand Form..... | 42 |
| Picture 4.12 Saving Confirmation Form | 43 |
| Picture 4.13 Deleting Confirmation Form | 43 |
| Picture 4.14 Sucsesfull Deleting Confirmation Form | 44 |
| Picture 4.15 Editing Confirmation..... | 44 |
| Picture 4.16 Table Form | 45 |
| Picture 4.17 Saving Confirmation Form | 46 |
| Picture 4.18 Deleting Confirmation Form | 46 |
| Picture 4.19 Succesful Deleting Confirmation Form | 47 |
| Picture 4.20 Editing Confirmation | 47 |
| Picture 4.21 Cashier Form | 48 |
| Picture 4.22 Saving Confirmation form | 49 |
| Picture 4.23 Deleting Confirmation Form | 49 |
| Picture 4.24 Succesful Deleting Confirmation Form | 49 |

| | |
|---|----|
| Picture 4.25 Sale Tracsactional form | 51 |
| Picture 4.26 Add the Order | 52 |
| Picture 4.27 List Of Menu..... | 52 |
| Picture 4.28 Menu list when editing process | 53 |
| Picture 4.29 Menu List After being edited | 53 |
| Picture 4.30 Total change | 54 |
| Picture 4.31 Saving confirmation form..... | 54 |
| Picture 4.32 Change Password form | 54 |
| Picture 4.33 Editing confirmation form | 55 |
| Picture 4.34 Periodic report Form | 55 |
| Picture 4.35 Receipt Printed form | 56 |
| Picture 4.36 Stand Financial report | 57 |
| Picture 4.37 Querionare Graphic..... | 60 |

ABSTRACT

Pujaselera is a kind of restaurant which is located in front of Muhammadiyah University of Surakarta. It is a kind of restaurant which is based on multi stand system. This restaurant contains some stands which sell some different foods. In maintaining the restaurant, the manager of Pujaselera Restaurant still uses paper-based system. One of the main problems of this system occurs at cashier and calculate the income which will be divided. If it uses paper-based, so it will take long time. Finance system is intended to facilitate and to solve in increasing the serving to the customer and the seller. It is also intended to make the report of Pujaselera restaurant becoming more clearly. The program of finance system is done by using application *Lazarus* and data base that is used *MySQL*. while *Fortes Report* is used to make a report. In this research, it has been built a system of finance management in Pujaselera restaurant which makes the process of entering the sale data by using desktop application becoming more accurately .

Key Words: Fortes Report, Lazarus, MySQL